

4.

-- A digital fiber optic video network enables the broadcast media to broadcast events live from a variety of locations without having to worry about atmospheric conditions or satellite availability.

Many of the voice and data communications services we are providing require wireless communications services. My colleague from SNET, Ernie Lindblad of SNET Mobility, will go into that in greater detail. Ernie...

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### **Telemedicine Demonstration**

(Howard Taylor returns to the podium after Mona Tenadine's presentation)

Now, on to the most exciting part of this press conference. Dr. Joki and I are going to show you how SNET and Yale-New Haven Hospital have joined in a unique partnership to insure the care and well-being of the 7,200 athletes competing in the Special Olympics World Games.

We will show you how we have used an application called telemedicine to link the Advanced Medical Center located here in the Smilow field house with the Yale-New Haven Hospital's emergency room, three miles away in downtown New Haven. Our athletes will have immediate, around-the-clock access to the best possible medical care.

Let me say right away that this use of telemedicine would not be possible without other members of the team. Yale of course. But also some others. Nortel is providing the high-resolution cameras necessary for the two-way video, and Philips Medical is providing portable x-ray equipment.

SNET has linked the center, staffed throughout the Games by volunteer doctors, directly to the emergency room, using a two-way, voice, data and video fiber optic network, made possible by I-SNET, Connecticut's information superhighway.

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The telemedicine network we have created allows a radiologist in the ER to consult on the injury of an athlete being cared for at the Advanced Medical Center — using an x-ray transmitted from the center.

While intended primarily to make immediately available the services of a radiologist, this telemedicine arrangement includes full-motion, two-way video and can be used by other ER specialists, such as plastic surgeons.

This is SNET's second application of telemedicine. A trial with the AmeriCares Free Clinic and Norwalk Hospital late last year is a finalist for the first annual National Information Infrastructure Awards, which honor achievement in the use of the information superhighway.

Dr. Jold and I invite you to join us downstairs where he will demonstrate how telemedicine works.

(Dr. Jold does demonstration)

Dr. Jold: On behalf of Yale-New Haven Hospital and SNET, we now invite your questions.

June 16, 1995



227 Church Street  
New Haven, Connecticut 06506

## **News Release**

October 20, 1994

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### **SNET network gets hospitals better connected**

Hospitals throughout the state are getting better connected with the Connecticut Health Care Research and Education Foundation (CHREF) and each other thanks to CHIME-NET – based upon a new frame relay network service from SNET.

Hospitals are using the new network to connect their computer information systems to CHREF central information system in Wallingford, to one another, and to a series of other information data banks.

Peter Courtway, Information Officer at Danbury Hospital who chaired CHREF Information Systems Conference, said, "This project will bring Connecticut hospitals onto the information superhighway. The cost-effectiveness, increased transmission speed and reliability of this new technology will do much to improve the efficiency and quality of the healthcare system in Connecticut."

Patients and communities will benefit from the increased operating efficiency of the healthcare system in submitting and paying claims, establishing insurance eligibility, and the immediate transfer of clinical information.

application of a new technology to meet the present and future needs of the healthcare community. Frame relay is part of an entire new generation of services associated with I-SNET, Connecticut's information superhighway."

This project is the outcome of a cooperative effort of information systems professionals from Bridgeport Hospital, Danbury Hospital, Greenwich Hospital, Lawrence & Memorial Hospital, Rockville General Hospital, Stamford Hospital, CHREF and St. Mary's Hospital. The first seven of these are charter participants along with St. Francis Hospital, Mount Sinai Hospital, Middlesex Hospital and Yale New Haven Hospital.

The National Library of Medicine, through the National Science Foundation, has provided a grant to help defray the initial set-up costs of this project in Connecticut.

A frame relay network, while providing increased transmission capacity and greater reliability, costs generally about 30 percent less than a comparable private-line network. It provides virtual private-line service -- allowing for variable length "frames" of data to be relayed along software-defined permanent virtual circuits. Users save by sharing a special data network and paying for virtual network connections instead of actual dedicated private lines.

CHIME-NET, with its wider bandwidth, also will provide many advanced possibilities for hospitals, physicians' offices, clinical and technical healthcare professionals throughout the state. For example, it will allow on-line access to the Internet, the largest international information network.

Other possibilities include: E-Mail access for discussion between hospitals and physician offices; Telemedicine imaging and clinical information transfer; access to insurance information to decrease waiting times; an electronic bulletin board with updates on current legislation and regulations.

Paul Mommsen said, "CHIME-NET is a good example of how our advancing network technology can provide new, cost-effective services and help Connecticut move more quickly down the information superhighway."